

TABLE 2

NM1964	Early growth response protein 1 (EGR1)
NM599	human Insulin-like growth factor binding protein 5 (IGFBP5)
M87771	Fibroblast growth factor receptor k-sam, Splice 3 (k-sam-III)
Z24725	H sapiens Mitogen-inducible gene (mig-2)
M64347	human Novel growth factor receptor (FGFR3)
M80634	human Keratinocyte growth factor receptor (FGFR2) (SEQ ID NO:1)
Z14228	Nuclear mitotic apparatus protein 1, Alt. Splice Form 2 (NuMA Clone U4)
X67951	human Proliferation-associated gene (PAGA)
AF036268	SH3-domain GRB2-like 2
AF060877	regulator of G-protein signalling 20
AL049538	ras association (RalGDS/AF-6) domain containing protein JC265
D14838	fibroblast growth factor 9 (glia-activating factor)
D26070	inositol 1,4,5-triphosphate receptor, type 1
J02902	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform
J04513	fibroblast growth factor 2 (basic)
L05624	mitogen-activated protein kinase kinase 1
M64788	RAP1, GTPase activating protein 1
M87771	fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome)
M96995	growth factor receptor-bound protein 2
U09759	mitogen-activated protein kinase 9
U24152	p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast)
U49857	transcriptional activator of the c-fos promoter
W28432	Cluster Incl. W28432:4712 Homo sapiens cDNA /gb=W28432 /gi=1308443 /ug=Hs 92030 /len=921
X07109	protein kinase C, beta 1
X54938	inositol 1,4,5-trisphosphate 3-kinase A
Z71929	fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome)
NM_004794	RAB33A, member RAS oncogene family
NM_002844	protein tyrosine phosphatase, receptor type, K
M14752	M14752 HUMABLA Human c-abl gene [GenBank=M14752]
NM_005252	v-fos FBJ murine osteosarcoma viral oncogene homolog
NM_002229	jun B proto-oncogene
NM_014813	KIAA0806 gene product
AB007943	AB007943:Homo sapiens mRNA for KIAA0474 protein [GenBank=AB007943]

NM_004067	chimerin (chimaerin) 2
NM_003676	degenerative spermatocyte homolog, lipid desaturase (Drosophila)
NM_000830	glutamate receptor, ionotropic, kainate 1
NM_002487	necdin homolog (mouse)
NM_002921	retinal G protein coupled receptor
NM_001390	dystrobrevin, alpha
NM_006000	tubulin, alpha 1 (testis specific)
NM_001634	S-adenosylmethionine decarboxylase 1
NM_006931	solute carrier family 2 (facilitated glucose transporter), member 3
NM_003832	phosphoserine phosphatase-like
NM_005010	neuronal cell adhesion molecule
NM_002073	guanine nucleotide binding protein (G protein), alpha z polypeptide
L24123	L24123:Homo sapiens NRF1 protein (NRF1) mRNA /cds=UNKNOWN /gb=L24123 /gi=438646 /ug=Hs.83469 /len=4992 GenBank==L24123
NM_000810	gamma-aminobutyric acid (GABA) A receptor, alpha 5
NM_005398	protein phosphatase 1, regulatory (inhibitor) subunit 3C
A526089	A526089:DU3.2-7.H07.r Homo sapiens cDNA GenBank==A526089
NM_000840	glutamate receptor, metabotropic 3
NM_012249	ras-like protein TC10
NM_004791	integrin, beta-like 1 (with EGFR-like repeat domains)
NM_000615	neural cell adhesion molecule 1
NM_003916	adaptor-related protein complex 1, sigma 2 subunit
NM_001406	ephrin-B3
NM_001718	bone morphogenetic protein 6
X66358	X66358 cds#2 HSSTTHPKB H.sapiens mRNA KKIALRE for serine/threonine protein kinase GenBank==X66358
D00654	actin, gamma 2, smooth muscle, enteric
U19599	U19599 HSU19599 Human (BAX delta) mRNA GenBank==U19599
NM_006908	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
NM_002374	microtubule-associated protein 2
AJ001612	phosphoserine phosphatase-like
NM_000293	phosphorylase kinase, beta
NM_020217	hypothetical protein DKF2p547014
NM_004379	cAMP responsive element binding protein 1
NM_032041	neurocalcin delta
NM_015716	Misshephen/NIK-related kinase
AF059274	Homo sapiens cDNA FLJ37320 fis, clone BRAMY2018106
NM_006158	neurofilament, light polypeptide 68kDa

NM_002730 protein kinase, cAMP-dependent, catalytic, alpha
NM_003885 cyclin-dependent kinase 5, regulatory subunit 1 (p35)

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Table 4: Summary

Genbank Accession No.	AnCg BP	AnCg MD	DLPFC BP	DLPFC MD	CB BP	CB MD	flags
D50310	up	up	up	up	up		1
L08485	up	up	up	up	up		1,2,3
U28964							1
AF016917			up	up	up		1,3
L19182			down	down	up		1
AJ001612	up	down	up	up	down	up	1,3
U66879	up	up	up	up	up		1
J04046	up	up	up	up	up		1
X63575	up	up	up	up	up		1,3
S74445			up	up	up		1,2,3
X71490	up	up	up	up	up		1
AF112471	up	up	up	up	up		1,2,3
AB006626	up	up	up	up	up		1
U37143	down	down	up	down	down		1,3
AC004131	up	down	up	down	down	down	1
M29273	down	down	up	down	down	down	1,2
X76220	up	up	up	up	up		1,2
M12267			up	up	down	down	3
AF060877	down	down	up	down	down	down	1
AB018305			down	down	down		1,2
U58334	down	down	up	down	down	down	1
AB020629	up	down	up	down	down		1,3
U37122	down	down	down	down	down		1,3
AL080061	down	down	down	down	down	down	1,3
M34309	down	down	down	down	down	down	1
M80634 (SEQ ID NO:1)	down	down	down	down	down	down	1
M64347	down	down	down	down	down	down	1
X57206	down	down	down	down	down	down	1,3
X77196	down	down	down	down	down	down	1,3
Z24725	down	down	down	down	down	down	1
AB018342	down	down	down	down	down	down	1,3
Y10275		down			up		1,3
AB007943	down				up		1
AL049538	down		down		down		1
M14758		down	down		down		3

X13839			down	down	up	up			3
X63432	up		up	up	up	up			3
X04098	up		up	up	up	up			3
AF006082	up		down	down	down	down			3
D67031			up						3
L22214			up						3
J03473			up						3
AJ236876	up	up	up	up	up	up			
AF072902		up		up	up	up			
U84011				down	down	up	up		
K02215	up				down	down	up	up	
AI800578		down			down	down	down	down	
AL049954					down	down			
R59606		down			down	down			
M80899		down			down	down			
U00957					up	up			2, 3
AA114830					up	up			
U81607					up	up			3
M90360		down			down				
X15414	up				up				3
U05861					up				
D17793			down			down			3
K03000						down			2
U46689					up				3
U24267		down			down	down			
M93405			down			down			3
U34252	up				up				3
X05236	up		up		up				
M21154	up				up				3
W63793					up				3
M63175					up				
AB028994			down			down			
U29926						down			3
X81438	up		up			up			3
D14662			down			down			3
AF091077		down							3
X97074	up		up			up			2

D38293	up	up	up	up	down	down	down	down	3
J02611									
M12529			down		down				3
D86981				up				down	3
U41518					down	down			
U34846			down		down				2,3
D87468			down			up			2
L04510				up					2,3
AF049884			up						3
U02570					down	down			
AB002292					down	down			
U50523			up						3
AI525393	up								3
AF006087	up					up			2,3
AF006088				up		up			3
Z11501					down				
L08424					up	up			
M27396					up				3
S67156			down		down		down		
AL096842			down			down			
AB018258						down			
J05096			down			down			2
M37457							up		2
W28508						down	up		
AF007876			down			down			
J04027							up		2,3
L20977							up		3
W28589	up						up		3
AJ010953	up								2
D14710	up								3
U09813			up			up			3
AF087135			up			up			3
AA845575			up			up			3
AF047436			up			up			3
AA917672				up					3
X83218			up			up			3
D16469	up		up						

AL080097		down	up	up	down	up	down	up	down
AF006621		up	up	up	down	up	down	up	down
J03037		down	up	up	down	up	down	up	down
U79666		down	up	up	down	up	down	up	down
M76559			up	up		up		up	
S60415	up		up	up		up		up	
AF068862	up		up	up		up		up	
U12022		up	up	up		up		up	
D45887	up		up	up		up		up	
AB020640		up	up	up		up		up	
U02390			up	up		up		up	
U02390			up	up		up		up	
U02390			down	down		down		down	
X85030			up	up		up		up	
U20325			up	up		up		up	
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AL035079	up		up	up		up		up	
AF070648		down	up	up	down	up	down	up	down
L10822	up		up	up		up		up	
AF091433			up	up		up		up	
AF026166	up		up	up		up		up	
X74801	up		up	up		up		up	
AF026292	up		up	up		up		up	
X69398	up		up	up		up		up	
M38690			up	up		up		up	
AF023158		down		down		down		down	
M37712									
AL031282	up								
M35543		up		up		up		up	
W27541		down		down		down		down	
U59325		up		up		up		up	
AF006484		down		down		down		down	
X66364									
L04658	up		up	up		up		up	
X77743	up		up	up		up		up	
X66358		down		down		down		down	
U22398									

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W27184							
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U60808	down						3
AI056696		up					3
U78516	down						3
AL080084	up						3
AA189161	up						3
AB023203	down					down	3
U03749		up					2
Y00064		up					
U07223	up		up				2
X70297			up				
W29042			up				3
D49738			up				3
Z30644			down				3
U89916		down		down			
M59287		down		down		down	
AF039704			up				
X91788	up						3
M20469	up	up		up			3
M20470	up	up		up			3
AB020709			up	up			2,3
S80562				up	down		2,3
D13146	up						
M19650	up			up			3
Z21488					up		
AB020675		up					
AB014533		up				down	
M92642					down		
M538526			down		down		
U65928	up	up		up			3
AA149486	up	up		up			3
M22760			up				3
M19961			up				3
AI526089	up	up		up			3

T57872	up	up						3
AA152406	down							3
AA978033	up							3
AB007618	up							3
N50520	up	up						3
U65090	up	up					down	
X51405	up	up						
S74445		up						2,3
M27691	down							2
S68271	up	up						3
D10656	up	up						3
U49857		down						
U49857		down					down	
AL038340	up	up						
AL038340	up	up						
AF039397	up	up						
AF053641	up	up						3
M27826		down						
U89896		down					up	
D32039			down				up	3
X15998			down					
X15998			down					
AF026547		down					down	
M33146			down					2
L22569		up					up	
X16832		down						3
Y07593	up	up						
L06797		down					up	
L47738		up					up	
M33318	down							3
Y11307			down				down	
M98529	up	up					up	
AB002379		down					down	
D15057			up				up	
AL050152			up				down	3
D31767		up					down	3
AL050084			down				down	

AB002367		up	up	up	down	down	3
AF086947		up	up	up			
U50733	up	up	up				3
W26651	up	up	up				
U48705				down			
L20817		down		down			
U59321				down			
AF000982		up		up			
AF007142			down		down		
U63825	up	up					3
AF021819		up		up			3
AL080115			up			down	
AL049944	up		up				3
AL049934		down		down		down	
AL050390		up		up			
AL050272	up	up					
AL050159		down		down		down	
L08069	up	up		up			
L08069	up	up	up	up			
AI810807		up		up			2,3
AI540958			up				3
AF000430	up		up		up		3
D50857		down		down		down	3
AF007875			up		up		3
U97105			up				
M97388	up		up				3
D83407		up	up				
S65738			up				3
U26742			down				3
U46744		down			up		3
U84551		down			up		
U46746		down					3
X68277		down		down		down	3
L05147				up			
AB013382		down		down			3
U31930			up				3
U46461		down					3

D86550		up		up		up		up		2,3
M91670	up									
M91670	up									
AL050282	up	up		up						
M31210		down								
D13168										3
X70940										
AB023159	up	up	up	up						
U03877		down								
U66406	up	up								
AB011542				up						
L18960		down								
AF035280				up						3
U36764	up									3
U39067	up									3
U94855				up				up		3
U54558	up			up						3
AC002544						down				
D13748	up							up		
L36055					down					3
U49436				up				up		2,3
AL080199				down				down		
C18655								down		
AB002303				down				down		
X51956				up				down		2
L35594				down			up	down		2,3
L35594				down			up	down		2,3
D45421		down								2
AF03905								down		
U81984										3
D83492				up				up		
U12535								down		
M34309				down			up	down		3
X81625								up		3
J04058								up		3
AB028990										
J02931								down		

AJ002962	up	up	up	up				3
AA977580		down		down				2
W26480		down		down			down	
AF035284							down	
X87241		down		down				
AF000561			down					
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AB014596		up	up					3
D14697	up		up					3
U60060		up	up					3
U60061		up	up					3
X59065			down	down			down	
Z70276		up		up	up			3
U66198			up	up				3
D14838			up	up				2
Z69641		down		down			down	
Z69641		down		down				
M87770		down		down			down	
Z71929		down		down			down	
X55741	up		up	up				
AF070557			up	up				
W27472		down		down				
W26655	up		up					
AF052106		up		up				
AL049949		down		down			down	
X02761	down			down				3
V01512		down		down			down	
V01512		down		down			down	
K00650		down		down			down	
AF032885		down		down				
M84562	down							
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AB014560			up					3
AI565760			up					3
AJ225028			up					3
M82919			up	up				3
X15376			up	up				3

D86181	up						down	
S68805				down				
D00723	up		up			down		3
Y13286		up	up					3
S40719		down		down		down		3
D87467			up					
M65188		down						3
X52947		down		down		down		3
M57609			down	down				3
U33267	up	up	up					3
X76648		up	up					3
AB020645		up		up				2,3
U08997	up		down					
U08997			down			down		3
X59834		down		down				
U43083	up			up				3
D90150	up		up					
AF017656			up	up		up	up	
AJ238764			up					3
AL049367		down		down		down		
AB020662		down		down				3
AF047438		down						3
M22632		up		up				3
AF016004		down		up		down		3
D38449			up		up			3
U87460	up		down	up		down		
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X71973		up						
W23944	up			up				3
M81886	up				up			3
U10301					up			3
X82068	up							3
L19058		down						3
S40369				up		up		
X77748	up			up				2,3
D87119			down		down		down	3
D87119			down		down		down	3

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M16594	down										2, 3
J05459											3
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M95809											
X03473											
D64142											
D64142											
L19779											
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H15872	up	up	up	up	up	up	up	up	up	up	
AA255502	down										
M25079	down										
L48215	down										
AF019214											
AF029890	up	up	up	up	up	up	up	up	up	up	
U31814											
AL034374		down	up	up	up	up	up	up	up	up	
AI391567											
U51004		up									
AB014555		down									
X58536		down									
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U01923											
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L26336	up	up	up	up	up	up	up	up	up	up	
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L26336	up	up									

L12723	up								2
X87949				up					3
X13794	up	up	up	up	up				3
Y00371	up	up	up	up	up	up			
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AL021937				up					2,3
X15183				up					3
J04988	up	up	up		up				3
W28616				up					3
M22382				up					3
AI912041				up					2,3
X57830		up							2,3
AI434146			down						3
AF012023			up						
X77956				down	down			down	
AL022726									
U49283	up	up	up	up	up				3
AA522698	up	up	up	up	up				3
X17025				up					3
U66042		up			up				3
M24594	up					up			3
X16302		up				up			2
AB017563						down			2
L42572			up						3
U26398				up	up	up			3
X77567				up		down		down	2
U96876									2
X53586									
X07979									
AL021786									
AA477898	up					up			3
X54938	up					up			3
U23850		up				up			3
AB016492	up					up			3
J04111	up			down				down	
X51345									
AF070523				up					

D79994		down	down	down	down	down	down
L02840	down						3
U52155		down					3
U39196			up				
Y15065		up					3
D26067			up				3
D31887			up	up			3
D14663			up				3
AI049250	down	down	down				
D87074		up			down	down	
D87443	up				down	down	3
D87445			down				
AB002347			up				
AB002361	up						3
AB007903			up				
AB007963			up		down	down	
AB011095					down	down	
AB014526		down	down	down	down	down	3
AB014544		down	down	down	down	down	
AB018335		down	down	down	down	down	
AB020637			up				
AB020661			up		down	down	
AB023152	up						
AB023209			down		down	down	
AB023230			down		down	down	3
AB028972	up	up			up		
AB028977	down					down	3
AB029034				down		down	
AF070621				up			3
Y08319	up						3
AB002357			up				3
AF015621	up	up			up		3
U59919			down		down		3
AJ001685			down				
J04182	up			up		down	3
U36336			down	up	down	down	3
Y11395	up			up			

AF038186		up						
W26659		up						
AB014579		up		up				
M16279			down					
D25217			down					2
AI127424	up							3
AF001359		down						
X70326		down		up	down			
AF041080	down		down		down			3
AI670788		up		up				
Z48051			up		down			
U64565		down		up				3
D14812			up					2,3
AI597616		up		up				3
Y11681	up	up	up	up	up			3
AL050361			up		up	up		3
Z98946					down			3
AI547258		down			down			
AF072928	up			up			down	2
M55405	down			down				3
AF001548	down			down				2
AF013570				down	down			2,3
AF001548	down			down	down			2
D10667				down				2,3
D10667				down				2,3
J02854	down			down				2
AF020267				down				3
AB029029		up					down	3
U42349	up		up					3
AF052142	up		up					3
AA126505	up							3
X77548							down	2
AF044209	up				up			
U35139	up	up			up			2,3
D87953					down		down	3
AF047185		up		up				
AC002400	up	up		up				

AI345944		up		up					3
AA203354				up					2,3
AF047181	up			up					3
AA527880	up								3
AA760866				up					3
AF050640	up			up					3
AJ541336		up							3
AC005329	up			up					3
AF053070	up	up		up		up			3
Y16241		down			down				3
D63878		down			down			down	
D23662	up					up			
X05608	up			up		up			3
D83017	up			up		up			3
W27762	down			down					3
X64318				up					3
Z83840	up		up			up			3
AB023192	up		up			up			3
AF019415		down		down		down			2,3
AF019415		down		down		down			2,3
X17620		up							
X73066	up	up		up					2,3
AL038662		up		up					2,3
X58965		up		up					2,3
M86707	up	up		up		up			2
AI816034		up		up					
U97669	down						down		3
W28770	up	up		up					
AF002020	up						down		3
AF002020	up			down		down			3
AJ132583	up			up					3
U61849	up	up		up		up	up		2,3
AI198311	up								2,3
L13740	down	down		down		down	down		
L13740	down	down		down		down	down		2
AB002341				up		up	up		2
U55258									2

S41458			down		down		down		down		down		down		3
AF056490		up			up		up		up		up		up		3
L42451	up			up			down		down		down		down		3
X98248						up									
AB002345							up								2
AF093670								up							3
U41816	down								down		down				3
AL096719								up							3
V00572		up			up		up		up		up		up		2, 3
M83088	up														2, 3
X84908						up									
U45976							up								3
AF010312	up		down		up		up		down		down		down		3
AL120815	up				up		up		down		down		down		3
Z29090	down														
U81802	up														3
U49070					up										3
W28299	up		up		up		up		up		up		up		
AL050371								up							
D30037								up							
U03090									down						
U60644		up						up							
U84573	down								up						
M54927	down								up						
M22299										down					
X57398	up		up		up		up		up		up		up		
D11428	up		down		up		down		down		down		down		3
AF001601			down		down										
AL050161										down					
AF017786										down					2
AF016371	up										up				3
AF001691		up										down			3
Y18207		down													
Y18207		down													
N36638		down													
Z50749		up													3
J02902		up													

J02902		up		up					
M64929	up			up					
M64929				up					2
M29551		up			up				
X89416	up			up					
U44772				up					3
AB014512	down			up					3
X67951				up					2
L19185	up		up	up					
U25182	up			up					
M33336				up					3
M33336				up					3
X07109		up			up				
X06318		up			up				3
Z15108		up			up				3
U29185			up		up				2
AB011124		up				up	up	up	
X15331	up				up		up		3
D87258		down			down			down	
D87258		down			down			down	
J03077	up				up				3
M85169	up				up				3
L76517	up				up				3
D00760					up			down	3
D00762	up				up				2,3
D00761	up				up				3
D26598	up				up				3
D26600	up				up				3
D26600	up				up				3
D29011	up				up				2
D29012	up				up				3
D38048	up		up		up				3
AF055309		up			up				2,3
D44466	up				up				2,3
AL031177	up				up				2,3
AB009398	up								

D78151	up								3
U51007	up								3
D50063		up							3
D38047	up	up			up				3
D38047	up		up			up			3
AJ001612	down	up		down	up		down	up	3
D14694	up		down		down		down	up	3
M98539		down		down		down		down	3
AI207842		down		down		down		down	3
AI207842		down		down		down		down	3
U33284					up				
M14630					down		down		2,3
M57399		down		down		down		down	2,3
M57399	down		down		down		down		2,3
X54131		down		down					
L77886	up								
Z48541	up								
D64053	up				up				2
M93426		down		down		down		down	2,3
X63578						up			2
Z48054	down		down				up		3
AL031781		down		down		down		down	3
AL031781		down		down					
AI540957					up				
AF052113	up				up				3
M28209	up				up				3
AL050268					up				3
AL050268					up				3
U59877	down		down			down			3
AI189226		down				down			
D14889	up				up				3
D14889	up				up		up		3
M28212	up						up		3
AJ133534	up				up				3
X98001					up				
D22274					up				
U41654					up				2,3

M35416		up							
M31469	up	up	up	up	up	up	up	up	
M31469	up	up	up	up	up	up	up	up	
AF054183	up	up	up	up	up	up	up	up	3
X63465	up	up	up	up	up	up	up	up	
X63465									
S80343	up								3
D79990		down		down		down		down	
U28686	down	down							
U89505	up	up	up						
U23946	up	up							
M11433				down					3
X00129	up	up	up	up	up	up	up	up	3
N92548		down				down			
AW044624	up								3
U27768									2,3
U78166			up	up	up	up	up	up	3
D26129	up			up	up	up	up	up	
AF037204				up	up	up	up	up	
X13973	up	up	up	up	up	up	up	up	3
M62488	up								
D87735		up							
X55954	up	up	up	up	up	up	up	up	3
AI708983									3
X57958				up	up	up	up	up	3
Y00281	up								2,3
AL031659	up								
AA977163	up	up	up	up	up	up	up	up	3
MI13932		up							3
AI526078		up							3
D14530	up								3
S79522		up							3
X55715	up			up	up	up	up	up	3
M84711		up							2,3
Y11651				up	up	up	up	up	3
L10333	up		up	up	up	up	up	up	2,3
AB020693									

M84820			up		up		up		up		up		up		up		down		down	
AL049940		up			up		down		down											
AJ001515																				
AB020658					up		3		3											
X91257		up		up		up		up		up		up		up		up		3		
M55580			down																	
AF051323		up		up		up		up		up		up		up		up		3		
D12676		up																		
M25756																				
AF070614																				
L10338	down																2		2	
AF049498	up	up		up		up		up		up		up		up		up	2,3		3	
AB011178			down														down		down	
AB007937																				
AB015345	up		up		up		up		up		up		up		up		up		up	
X97064																				
AJ131245																				
AF055006	up																			
AF054184		up		up		up		up		up		up		up		up	2,3		2,3	
U73167			down																	
AB000220																				
AB002438																				
Z11793																				
D86957																				
AI743134																				
Z81326																				
D28423	up		up		up		up		up		up		up		up		down		down	
AL031681		up																		
L41887																				
Y00757			up		up		up		up		up		up		up		2		2	
AF036268			up		up		up		up		up		up		up		3		3	
AB007960			down																	
U33760	up		up		up		up		up		up		up		up		up		up	
W26700			up		up		up		up		up		up		up					
U08989																				
U01824																				
W28850																				

D26443		down		down		down		down	3
H10201			up						3
X60036	up	up							3
M20681	up	up	down		down		down	2,3	
AF007216			down						
AF011390		down			up			2,3	
AF015926		down		down				3	
D86959		up				down			
U96094	up				up		up		3
D80000			up			down		2,3	
X59960	up		up					3	
AF053136		up							2
AL049650	up	up	up		up				
AA733050	up	up	up						
U40571				down					3
AF034546			up						3
X02317			up						3
X63753		up	up			down			3
AJ001183				down		down			2
Z46629		down			down		down		
AB011088	down				down				
J03040				down					
J04765	up	up	up						
AF052124	up	up	up			down			
AF039843		down		down		down		down	
Y08685			up				down		3
D78130			up						3
M32313			up		up				2
M32886		down			down				3
U88666									3
J00306	up								2
AI636761	up								2,3
AB011107		down			down		down		
L78440	up			up					
U04735	up			up		up			
M86752				up		up			
X99325	up	up		up		up			2,3

AF099989		up	up			down	down	3
M31303		down	up	down	down	down	down	2
X85116		down	up					3
AL035306						down	down	2
U77942						down	down	
D63506		up						
U34804		up						
U40215	up	up		up	up			3
AF039945		down						2
U93305		up		up				2
X68194		down	up	down	down			3
D38522			up					
U18062	up		up					3
M95787	down		down					
AF010400	up		up					
AL050265				up				3
AL050107					down		down	3
D50495	up							2
M80627		down		down		down	down	2
D15050		down		down		down	down	
U19969	down					down	down	
X52882		up						3
U49188		up		up				3
L24804				up				
X75861			up					3
W23869	up				up			3
L06139		down		down		down	down	
X93512				up	up			
S95936	up			up	down		down	3
M55153				down				3
L12350					down			
L12350				down		down		
AJ133115				down		down		
M24748	up				up			
X97544				up				3
X97544				up		down	down	3
L27476								

AB028950			down	up	down	down	down	down	3
AI688299	up			up					3
R16035		up							3
U81006			up						3
M92383			up						3
D38305			up		down		down		3
D13641			up						3
U09477	up								3
M12125			down		down				3
M12125			down		down				3
U12595	up								3
X00437	down		down						3
AB011089			up						3
AF084260			up						3
AI133769			up		up		up		3
X89066	up				up		up		3
AF042181						down		up	
AF001294			up						
AF035283		down		down					
X06956	up	up		up		up	up		2
X06956	up	up		up		up	up		
AF005392	up	up		up		up	up		
X01703	up	up		up		up	up		
AF035316			up		down		down	down	3
X02344	up								
U47634	up								3
X00734	up								3
S75463	up								3
D17517			up						
U18934			up						
AI310002			up						2
AF075599		up			up	up	up	up	
U67122			up						3
X04741	up	up		up					3
U27460		up		up					
U30930		down		up		down			3
T79616		up							3

AL049423		down	down	down	down		
AF052148	down		down				
AI022101	up		up				
AL118582				down		down	
AI095508				up		up	
W28612		down		down		down	2
AL049378	down		down				
AI70633		down		down		down	
AF070536	down		down				
AF052119		up		up		up	
AL080113		up		up		up	
AL049265		down		down		down	
AL049390		up		up		up	
AF070577		up		up		up	
AI827895				down		down	2
X95677				up		up	
AL080093			up				
AL049969		down		down		down	
AF052141		up		up		up	
L27560				up		up	
W27522				up		up	
AL022718	up						down
AJ005694				down			3
AL120687					up	up	
AL046322	up				up		
AW043812				down		up	
H12054					up	up	
AC0033007			up				
J03071	down			down			
M57417	down						down
M33764	up						
M58028	up						
X74262	up						
U19796	up						
U22028		down					
X79568				down			
M55914	up						

M21154	up					down	
M10905	up					up	
U33429						down	
AB014539						up	
X63432						down	up
X56841						down	
Y00067						up	
AF007140	up					up	
X13839						down	
AF023268						down	
AF053356	down					up	
U37122						down	
AB000450	up					up	
A1126004						down	
AF002668	up					up	
X54304						down	
U57843	down					up	
X02344	up					up	
X04098	up					up	
U96074	up					up	
D32053	up					down	
U59632						down	
X14346	down					down	
Z98046	up					down	
AL096737						down	
AB014598						down	
U17886						up	
A1986201						up	
AL080181						down	
AB014514	up					down	
R92331						up	
U24183						up	
D00860	up					up	
U09510						up	
A1635895						up	
U66033						down	
U51334						down	

AF020762		up					
U24105						up	
M36820						down	
U59912						up	
X63368		up				up	
AF047863						up	
U11861		up				up	
AL080122						up	
M14648						down	
Y14153						up	
X81637		down				up	
M88108						up	
AF042384		up				up	
AA704137						up	
AB011156		up				up	
AB862521		up				up	
AF047469						up	
AF025887						up	
AF091085		up				up	
AI035494						up	
AI540925		down				down	
D32129							
AB028972		up					
AF091071						up	
AI040137						down	
X15187		up					
U48730		down					
L08488		up					
K03460		up					
AF005361						up	
M95585						up	
M91670		up				up	

Table 5: RT-PCR Confirmation

Gene Bank Acc. No.	Gene Name	AnCg BP	AnCg MD	DLPFC BP	DLPFC MD
AB020629	ABCA8			down	down
U37122	ADD3			down	down
X63575	ATP2B2			down	
X71490	ATP6V0D1	up			
U66879	BAD	down			
J04046	CALM3			up	
AF112471	CAMK2B	up			
D50310	CCNI	up			
A1080061	CLIC4			down	
S74445	CRABP1	up		up	
U37143	CYP2J2	down		down	
M34309	ERBB3			down	
M80634 (SEQ ID NO.1)	FGFR2			down	
M64347	FGFR3			down	
L08485	GABRA5	up			
AF016917	GABRD	down		down	
AC004131	GPRCSB		down		down
AB006626	HDAC4	up			
L19182	IGFBP7	down		down	
X57206	ITPKB			down	
X77196	LAMP2			down	
M29273	MAG	down		down	
X76220	MAL	down		down	
Z24725	MIG2			down	
AB018342	MYO10			down	
M12267	OAT	down		down	
Y10275	PSPH			down	
AJ001612	PSPHL	down		down	
AB007943	RAPIGA1			down	
AF060877	RGS20			down	
AL049538	RIN2			down	
AB018305	SPON1			down	
U58334	TP53BP2		down		down
U28964	YWHAZ	up			

Table 8: Selected Potential Druggable Targets

Genbank Accession No.	Gene Name	Target category	Description
AB020629	ABCA8	transporter	ATP-binding cassette, sub-family A (ABC1), member 8
X63575	ATP2B2	transporter	ATPase, Ca++ transporting, plasma membrane 2
X71490	ATP6V0D1	transporter	ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d isoform 1
S74445	CRABP1	transporter	cellular retinoic acid binding protein 1
M34309	ERBB3	tyrosine kinase receptor	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)
M80634 (SEQ ID NO:1)	FGFR2	tyrosine kinase receptor	fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome)
M64347	FGFR3	tyrosine kinase receptor	fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism)
AC004131	GPRC5B	GPCR	G protein-coupled receptor, family C, group 5, member B
X77196	LAMP2	ligand for cell adhesion molecule	lysosomal-associated membrane protein 2
U37122	ADD3	regulator of kinase	adducin 3 (gamma)
U66879	BAD	regulator of protease	BCL2-antagonist of cell death
AB007943	RAP1GA1	regulator of kinase	RAP1, GTPase activating protein 1
AF060877	RGS20	regulator of GTPase	regulator of G-protein signalling 20
AL049538	RIN2	regulator of GTPase	Ras and Rab interactor 2
U58334	TP53BP2	regulator of protein degradation	tumor protein p53 binding protein, 2
U28964	YWHAZ	regulator of enzyme	tyrosine 3-monoxygenase/triptophan 5-monoxygenase activation protein, zeta polypeptide
J04046	CALM3	kinase	calmodulin 3 (phosphorylase kinase, delta)
AF112471	CAMK2B	kinase	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta
D50310	CCNI	regulator of kinase	cyclin I

U37143	CYP2J2	monooxygenase	cytochrome P450, family 2, subfamily J, polypeptide 2
AB006626	HDAC4	enzyme	histone deacetylase 4
X57206	ITPKB	kinase	inositol 1,4,5-trisphosphate 3-kinase B
M12267	OAT	enzyme	ornithine aminotransferase (gyrate atrophy)
Y10275	PSPH	enzyme	phosphoserine phosphatase
AJ001612	PSPHL	enzyme	phosphoserine phosphatase-like
AL080061	CLIC4	channel	chloride intracellular channel 4
L08485	GABRA5	channel	gamma-aminobutyric acid (GABA) A receptor, alpha 5
AF016917	GABRD	channel	gamma-aminobutyric acid (GABA) A receptor, delta
L19182	IGFBP7	regulator of receptor ligand	insulin-like growth factor binding protein 7
M29273	MAG	myelination	myelin associated glycoprotein
X76220	MAL	myelination	mal, T-cell differentiation protein
Z24725	MIG2	signal transduction	mitogen inducible 2
AB018342	MYO10	partner for calmodulin-like protein	myosin X
AB018305	SPON1	axon growth guidance	spondin 1, (f-spondin) extracellular matrix protein